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NEWS

NMTBA
The Association For
Manufacturing Technology

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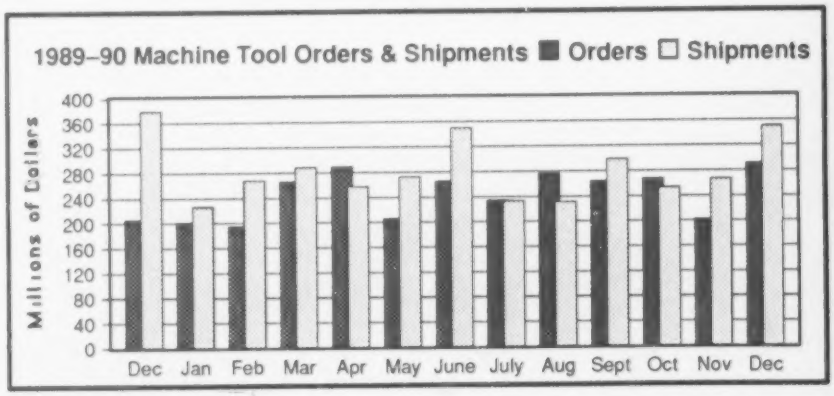
Contact: Charles Pollock, Vice President, Communications, 703–827–5206
Glyn Finley, Statistical Director, 703–827–5255

December machine tool orders up 43.7%

December machine tool orders totaled $291.35 million, up 43.7% from November's $202.75 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Total machine tool orders for 1990 reached $2,960.25 million, 5.4% higher than 1989's $2,807.95 million. Comparing December 1990 with December 1989, orders were up 41.2%.

Total machine tool shipments in December reached $350.95 million, 31.2% above November's $267.45 million. Year–to–date shipments totaled $3,300.35 million, 3.3% ahead of the $3,195.60 million tallied in 1989, and the highest level since 1982. Compared to December a year ago, machine tool shipments were down 7.5%.



Albert W. Moore, NMTBA president noted, "The continued strong order levels are an indication that capital spending plans are holding firm despite current economic weakness. December's new order total is the highest monthly total since September of 1989, and the total for the year is the second highest since 1980. The mentality of U.S. manufacturers has changed: investment spending is no longer the first thing cut from the budget when a downturn approaches. On the contrary, manufacturers now realize that investment is the very thing needed to ensure efficient and competitive production."

(more)

7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 / PHONE (703) 893-2900 / TLX: 353819 / FAX (703)893-1151

He added, "The war in the Persian Gulf demonstrates once again that America needs a strong industrial base. Machine tools are an important part of that base, a part of the reason that 'Made in America' means superior technology and strength."

Metal Cutting

December metal cutting orders totaled $173.40 million, 26.9% above November's total. At $2,065.60 million, 1990 total metal cutting orders closed out 4.5% ahead of the total for 1989. Compared to the same month in 1989, December 1990 metal cutting orders were up 9.4%.

December metal cutting shipments reached $266.45 million, up 46.2% compared to November. Metal cutting shipments for the year were $2,329.60 million, down only 1.2% compared to 1989. December 1990 metal cutting shipments were down 14.8% compared to December 1989.

Metal Forming

December metal forming orders totaled $117.95 million, up 78.4% from November. Year–to–date 1990 metal forming orders totaled $894.65 million, up 7.6% compared to 1989, and the highest level since 1984. December 1990 metal forming orders were 147.0% higher than December 1989 orders.

At $84.50 million, December metal forming shipments were level with the previous month. Year–to–date metal forming shipments reached $970.75 million, 16.0% above the total for 1989. Comparing December 1990 to December 1989, shipments rose 26.9%.

Backlog

The machine tool order backlog for December 1990 is $1,463.50 million, down from November's $1,523.10 million. The December 1989 backlog was $1,803.60 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
DEC 1990	151.10	22.30	173.40	102.50	15.45	117.95	253.60	37.75	291.35
NOV 1990	113.10	23.55	136.65	48.15	17.95	66.10	161.25	41.50	202.75
% CHANGE									
DEC 1990:NOV 1990	+33.6	-5.3	+26.9	+112.9	-13.9	+78.4	+57.3	-9.0	+43.7
DEC 1989	135.20	23.35	158.55	42.20	5.55	47.75	177.40	28.90	206.30
% CHANGE									
DEC 1990:DEC 1989	+11.8	-4.5	+9.4	+142.9	+178.4	+147.0	+43.0	+30.6	+41.2
YEAR TO DATE 1990	1,771.95	293.65	2,065.60	760.80	133.85	894.65	2,532.75	427.50	2,960.25
YEAR TO DATE 1989	1,722.80	253.55	1,976.35	719.05	112.55	831.60	2,441.85	366.10	2,807.95
% CHANGE									
1990 : 1989	+2.9	+15.8	+4.5	+5.8	+18.9	+7.6	+3.7	+16.8	+5.4

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
DEC 1990	209.95	56.50	266.45	77.65	6.85	84.50	287.60	63.35	350.95
NOV 1990	160.60	21.60	182.20	63.40	21.85	85.25	224.00	43.45	267.45
% CHANGE									
DEC 1990:NOV 1990	+30.7	+161.6	+46.2	+22.5	-68.6	-0.9	+28.4	+45.8	+31.2
DEC 1989	260.40	52.35	312.75	57.85	8.75	66.60	318.25	61.10	379.35
% CHANGE									
DEC 1990:DEC 1989	-19.4	+7.9	-14.8	+34.2	-21.7	+26.9	-9.6	+3.7	-7.5
YEAR TO DATE 1990	2,004.45	325.15	2,329.60	851.55	119.20	970.75	2,856.00	444.35	3,300.35
YEAR TO DATE 1989	2,059.20	299.40	2,358.60	704.15	132.85	837.00	2,763.35	432.25	3,195.60
% CHANGE									
1990 : 1989	-2.7	+8.6	-1.2	+20.9	-10.3	+16.0	+3.4	+2.8	+3.3

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$2,441.85	$ 366.10	$2,807.95	$1,803.60	$2,763.35	$ 432.25	$3,195.60
1990							
JAN	$ 159.20	$ 42.10	$ 201.30	$1,778.55	$ 199.05	$ 27.30	$ 226.35
FEB	$ 157.15	$ 37.40	$ 194.55	$1,705.10	$ 233.30	$ 34.70	$ 268.00
MAR	$ 189.55	$ 76.30	$ 265.85	$1,682.05	$ 246.25	$ 42.65	$ 288.90
APR	$ 264.70	$ 24.55	$ 289.25	$1,713.20	$ 218.35	$ 39.75	$ 258.10
MAY	$ 181.30	$ 25.15	$ 206.45	$1,646.70	$ 243.30	$ 29.65	$ 272.95
JUN	$ 221.10	$ 44.15	$ 265.25	$1,561.70	$ 310.95	$ 39.30	$ 350.25
JUL	$ 213.95	$ 20.30	$ 234.25	$1,562.55	$ 211.35	$ 22.05	$ 233.40
AUG	$ 260.15	$ 16.65	$ 276.80	$1,608.00	$ 197.15	$ 34.20	$ 231.35
SEP	$ 236.65	$ 27.70	$ 264.35	$1,573.45	$ 262.60	$ 36.30	$ 298.90
OCT	$ 234.15	$ 33.95	$ 268.10	$1,587.80	$ 222.10	$ 31.65	$ 253.75
NOV	$ 161.25	$ 41.50	$ 202.75	$1,523.10	$ 224.00	$ 43.45	$ 267.45
DEC (P)	$ 253.60	$ 37.75	$ 291.35	$1,463.50	$ 287.60	$ 63.35	$ 350.95
12 MONTHS	$2,532.75	$ 427.50	$2,960.25		$2,856.00	$ 444.35	$3,300.35

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$2,581.50	$ 405.20	$2,986.70	$ 139.65	$ 39.10	$ 178.75
1990						
JAN	$ 162.30	$ 44.05	$ 206.35	$ 3.10	$ 1.95	$ 5.05
FEB	$ 162.30	$ 38.30	$ 200.60	$ 5.15	$ .90	$ 6.05
MAR	$ 204.10	$ 79.95	$ 284.05	$ 14.55	$ 3.65	$ 18.20
APR	$ 278.80	$ 24.70	$ 303.50	$ 14.10	$ .15	$ 14.25
MAY	$ 195.60	$ 25.95	$ 221.55	$ 14.30	$ .80	$ 15.10
JUN	$ 226.95	$ 47.65	$ 274.60	$ 5.85	$ 3.50	$ 9.35
JUL	$ 224.45	$ 26.15	$ 250.60	$ 10.50	$ 5.85	$ 16.35
AUG	$ 266.60	$ 24.05	$ 290.65	$ 6.45	$ 7.40	$ 13.85
SEP	$ 242.00	$ 28.30	$ 270.30	$ 5.35	$ .60	$ 5.95
OCT	$ 242.70	$ 35.30	$ 278.00	$ 8.55	$ 1.35	$ 9.90
NOV	$ 168.10	$ 42.15	$ 210.25	$ 6.85	$ .65	$ 7.50
DEC (P)	$ 267.55	$ 38.55	$ 306.10	$ 13.95	$ .80	$ 14.75
12 MONTHS	$2,641.45	$ 455.10	$3,096.55	$ 108.70	$ 27.60	$ 136.30

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1989	$1,722.80	$ 253.55	$1,976.35	$1,423.30	$2,059.20	$ 299.40	$2,358.60
1990							
JAN	$ 117.70	$ 23.45	$ 141.15	$1,402.25	$ 143.40	$ 18.80	$ 162.20
FEB	$ 100.45	$ 15.85	$ 116.30	$1,349.05	$ 143.60	$ 25.90	$ 169.50
MAR	$ 132.60	$ 65.60	$ 198.20	$1,333.10	$ 179.80	$ 34.35	$ 214.15
APR	$ 187.45	$ 19.20	$ 206.65	$1,370.80	$ 141.65	$ 27.30	$ 168.95
MAY	$ 116.80	$ 21.00	$ 137.80	$1,314.45	$ 172.30	$ 21.85	$ 194.15
JUN	$ 151.20	$ 37.40	$ 188.60	$1,227.35	$ 240.10	$ 35.60	$ 275.70
JUL	$ 132.55	$ 14.20	$ 146.75	$1,212.30	$ 144.00	$ 17.80	$ 161.80
AUG	$ 212.20	$ 16.35	$ 228.55	$1,285.10	$ 135.85	$ 19.90	$ 155.75
SEP	$ 190.75	$ 18.40	$ 209.15	$1,304.30	$ 168.30	$ 21.65	$ 189.95
OCT	$ 166.05	$ 16.35	$ 182.40	$1,297.90	$ 164.90	$ 23.90	$ 188.80
NOV	$ 113.10	$ 23.55	$ 136.65	$1,252.35	$ 160.60	$ 21.60	$ 182.20
DEC (P)	$ 151.10	$ 22.30	$ 173.40	$1,159.30	$ 209.95	$ 56.50	$ 266.45
12 MONTHS	$1,771.95	$ 293.65	$2,065.60		$2,004.45	$ 325.15	$2,329.60

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1989	$1,837.80	$ 281.65	$2,119.45	$ 115.00	$ 28.10	$ 143.10
1990						
JAN	$ 120.35	$ 25.15	$ 145.50	$ 2.65	$ 1.70	$ 4.35
FEB	$ 102.20	$ 16.70	$ 118.90	$ 1.75	$ .85	$ 2.60
MAR	$ 146.80	$ 69.20	$ 216.00	$ 14.20	$ 3.60	$ 17.80
APR	$ 199.40	$ 19.30	$ 218.70	$ 11.95	$ .09	$ 12.05
MAY	$ 130.20	$ 21.75	$ 151.95	$ 13.40	$ .75	$ 14.15
JUN	$ 155.40	$ 40.85	$ 196.25	$ 4.20	$ 3.45	$ 7.65
JUL	$ 142.95	$ 20.00	$ 162.95	$ 10.40	$ 5.80	$ 16.20
AUG	$ 216.60	$ 17.05	$ 233.65	$ 4.40	$ .70	$ 5.10
SEP	$ 194.70	$ 18.95	$ 213.65	$ 3.95	$ .55	$ 4.50
OCT	$ 174.55	$ 17.65	$ 192.20	$ 8.50	$ 1.30	$ 9.80
NOV	$ 119.35	$ 24.05	$ 143.40	$ 6.25	$ .50	$ 6.75
DEC (P)	$ 164.70	$ 23.05	$ 187.75	$ 13.60	$ .75	$ 14.35
12 MONTHS	$1,867.20	$ 313.70	$2,180.90	$ 95.25	$ 20.05	$ 115.30

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1989	$ 719.05	$ 112.55	$ 831.60	$ 380.30	$ 704.15	$ 132.85	$ 837.00
1990							
JAN	$ 41.50	$ 18.65	$ 60.15	$ 376.30	$ 55.65	$ 8.50	$ 64.15
FEB	$ 56.70	$ 21.55	$ 78.25	$ 356.05	$ 89.70	$ 8.80	$ 98.50
MAR	$ 56.95	$ 10.70	$ 67.65	$ 348.95	$ 66.45	$ 8.30	$ 74.75
APR	$ 77.25	$ 5.35	$ 82.60	$ 342.40	$ 76.70	$ 12.45	$ 89.15
MAY	$ 64.50	$ 4.15	$ 68.65	$ 332.25	$ 71.00	$ 7.80	$ 78.80
JUN	$ 69.90	$ 6.75	$ 76.65	$ 334.35	$ 70.85	$ 3.70	$ 74.55
JUL	$ 81.40	$ 6.10	$ 87.50	$ 350.25	$ 67.35	$ 4.25	$ 71.60
AUG	$ 47.95	$ .30	$ 48.25	$ 322.90	$ 61.30	$ 14.30	$ 75.60
SEP	$ 45.90	$ 9.30	$ 55.20	$ 269.15	$ 94.30	$ 14.65	$ 108.95
OCT	$ 68.10	$ 17.60	$ 85.70	$ 289.90	$ 57.20	$ 7.75	$ 64.95
NOV	$ 48.15	$ 17.95	$ 66.10	$ 270.75	$ 63.40	$ 21.85	$ 85.25
DEC (P)	$ 102.50	$ 15.45	$ 117.95	$ 304.20	$ 77.65	$ 6.85	$ 84.50
12 MONTHS	$ 760.80	$ 133.85	$ 894.65		$ 851.55	$ 119.20	$ 970.75

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1989	$ 743.70	$ 123.55	$ 867.25	$ 24.65	$ 11.00	$ 35.65
1990						
JAN	$ 41.95	$ 18.90	$ 60.85	$ .45	$ .25	$ .70
FEB	$ 60.10	$ 21.60	$ 81.70	$ 3.40	$ .05	$ 3.45
MAR	$ 57.30	$ 10.75	$ 68.05	$ .35	$ .05	$ .40
APR	$ 79.40	$ 5.40	$ 84.80	$ 2.15	$ .05	$ 2.20
MAY	$ 65.40	$ 4.20	$ 69.60	$ .90	$ .05	$ .95
JUN	$ 71.55	$ 6.80	$ 78.35	$ 1.65	$ .05	$ 1.70
JUL	$ 81.50	$ 6.15	$ 87.65	$ .09	$ .05	$ .15
AUG	$ 50.00	$ 7.00	$ 57.00	$ 2.05	$ 6.70	$ 8.75
SEP	$ 47.30	$ 9.35	$ 56.65	$ 1.40	$ .05	$ 1.45
OCT	$ 68.15	$ 17.65	$ 85.80	$ .05	$ .05	$ .10
NOV	$ 48.75	$ 18.10	$ 66.85	$ .60	$ .15	$ .75
DEC (P)	$ 102.85	$ 15.50	$ 118.35	$ .35	$ .05	$ .40
12 MONTHS	$ 774.25	$ 141.40	$ 915.65	$. 13.45	$ 7.55	$ 21.00

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS

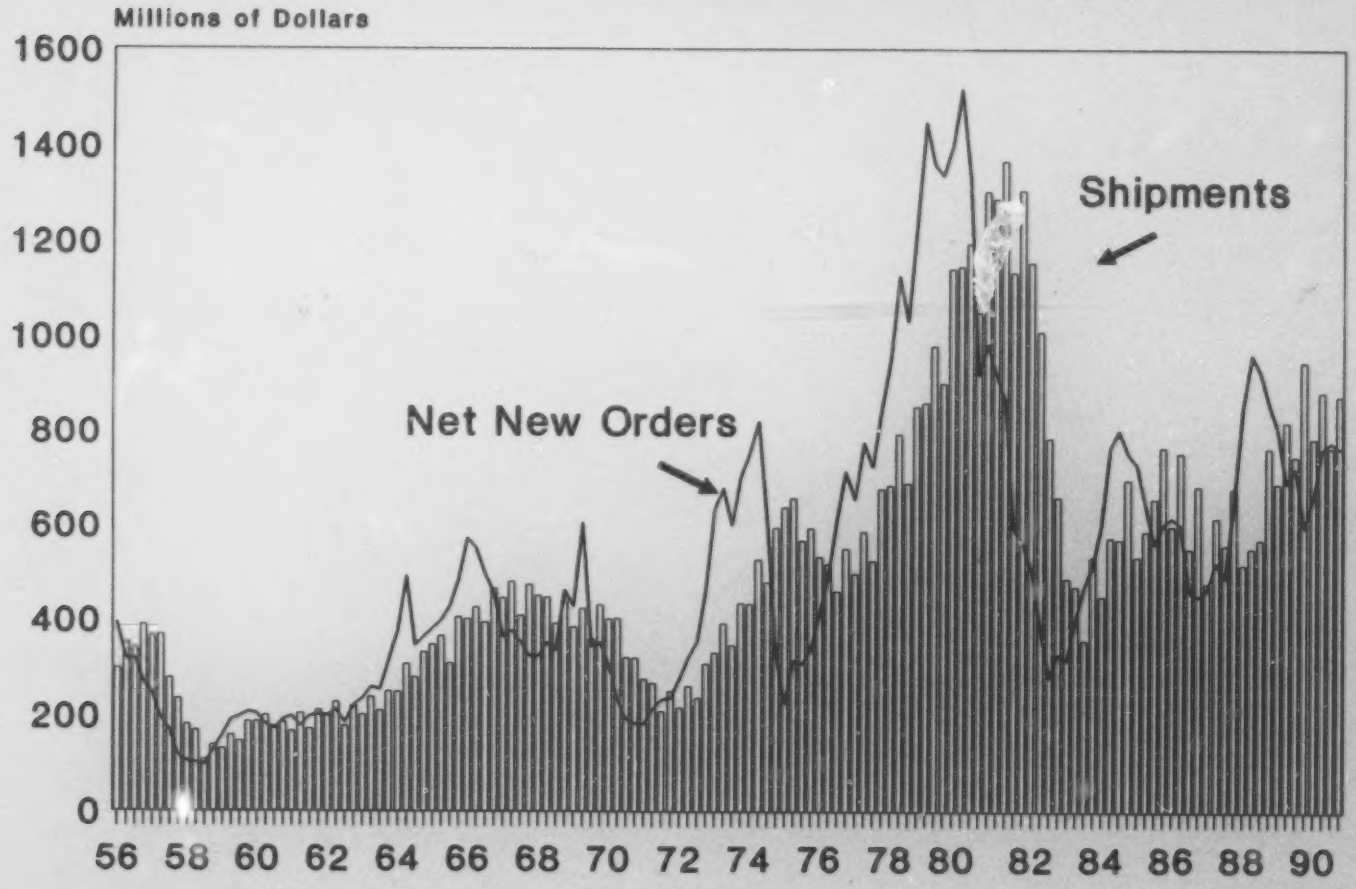
(Dollar Figures in Thousands)
1984 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4	676,100	93,350	646,100	487,000	49,950	461,500	189,100	43,400	184,600
Total	$2,323,650	$286,900	$2,118,800	$1,676,500	$177,650	$1,451,450	$ 647,150	$ 109,250	$ 667,350
1988-1	$ 516,500	$ 60,000	$ 850,000	$ 317,850	$ 35,300	$ 666,250	$ 198,650	$ 24,700	$ 183,750
2	551,150	74,400	960,500	339,350	40,900	676,500	211,800	33,500	284,000
3	569,200	66,350	922,650	391,300	38,650	715,000	177,900	27,700	207,650
4	762,250	96,050	857,700	526,050	59,600	650,150	236,200	36,450	207,550
Total	$2,399,100	$296,800	$3,590,850	$1,574,550	$174,450	$2,707,900	$ 824,550	$ 122,350	$ 682,950
1989-1	$ 687,650	$ 81,400	$ 803,300	$ 481,550	$ 50,900	$ 602,550	$ 206,100	$ 30,500	$ 200,750
2	817,850	101,150	688,500	578,150	64,450	459,550	239,700	36,700	228,950
3	745,500	109,350	720,450	574,000	82,600	481,900	171,500	26,750	238,550
4	944,600	140,350	595,700	724,900	101,450	432,350	219,700	38,900	163,350
Total	$3,195,600	$432,250	$2,807,950	$2,358,600	$299,400	$1,976,350	$ 837,000	$ 132,850	$ 831,600
1990-1	$ 783,250	$104,650	$ 661,700	$ 545,850	$ 79,050	$ 455,650	$ 237,400	$ 25,600	$ 206,050
2	881,300	108,700	760,950	638,800	84,750	533,050	242,500	23,950	227,900
3	763,650	92,550	775,400	507,500	59,350	584,450	256,150	33,200	190,950
4P	872,150	138,450	762,200	637,450	102,000	492,450	234,700	36,450	269,750
Total	$3,300,350	$444,350	$2,960,250	$2,329,600	$325,150	$2,065,600	$ 970,750	$ 119,200	$ 894,650

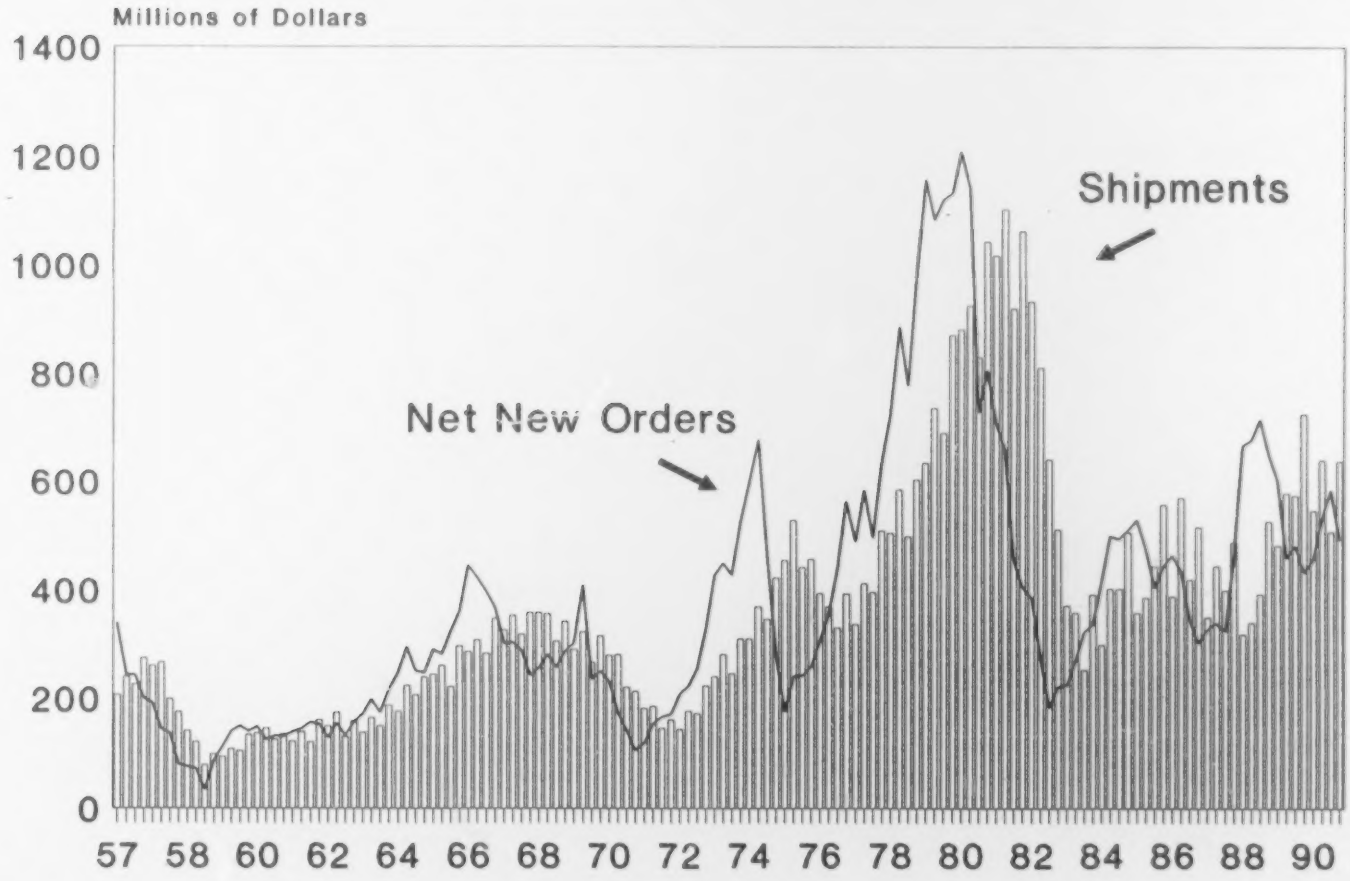
P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

January 28, 1991

Total Machine Tools
Shipments and Net New Orders, Quarterly



Metal Cutting Machine Tools
Shipments and Net New Orders, Quarterly



Metal Forming Machine Tools
Shipments and Net New Orders, Quarterly